

National Compensation Survey

Technical Note

The National Compensation Survey (NCS) program provides information on the average hourly earnings for occupational groups and individual occupations for approximately 80 metropolitan areas and 70 nonmetropolitan counties. The survey covers establishments employing 50 workers or more in goods-producing industries (mining, construction and manufacturing); service-producing industries (transportation, communications, and public utilities; wholesale trade; retail trade; finance, insurance, and real estate; and services); and State and local governments. Agriculture, private households, and the Federal government are excluded from the survey.

Survey design

For each survey area, the first stage of sample selection employs a technique that uses a probability proportional to employment size to select the sample of establishments to be studied. That is, larger establishments, in terms of employment size, will have a greater chance of selection than smaller establishments. Weights are then applied to each establishment so that the data collected can represent units of similar industry and employment size, which were not selected for collection. The second stage of sample selection is a probability sample of occupations within a sampled establishment. As with the selection of establishments, the selection of jobs within an establishment is also through sampling using probability proportional to size. Jobs are then classified into occupations based on their duties. A selected job may fall into any one of about 480 occupational classifications. In the last step, the work level of each selected occupation is determined using a "generic leveling" process. Using identical criteria, generic leveling ranks and compares all occupations based on duties and responsibilities.

Presentation of data

The individual survey bulletins provide tabulations on the earnings of workers in a variety of occupational groups,

specific occupations, and a wide range of work levels. Also contained in the bulletins are information on the NCS program, a technical note describing survey procedures, and several appendixes with detailed information on occupational classifications and the generic leveling methodology. Earnings are defined as regular payments from the employer to the employee as compensation for straight-time hourly work, or for any salaried work performed. The following forms of payments are not considered part of straight-time earnings: shift differentials, premium pay for overtime, holidays, and weekends; bonuses not directly tied to production; uniform and tool allowances; free room and board; and payments, such as tips, made by third parties.

Metropolitan areas

All agencies that collect and publish data for metropolitan areas use the most recent definitions of metropolitan areas established by the Office of Management and Budget. A Metropolitan Statistical Area (MSA) is defined in terms of entire counties, except in the six New England States where they are defined in terms of cities and towns. If an area has a population greater than one million and meets certain other requirements specified in the *Federal Register*, it is termed a Consolidated Metropolitan Statistical Area (CMSA).

Additional information

For additional information regarding the NCS, please contact the Division of Compensation Data Analysis and Planning, 2 Massachusetts Ave. NE, Room 4175, Washington, DC 20212-0001.

Telephone: (202) 606-6199

Internet: <http://stats.bls.gov/comhome.htm>

TABLE C-1. Mean hourly earnings¹ for selected occupations, all workers, all industries, selected areas,² 1998

Occupation ³	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
ALL	\$18.26	\$15.53	\$17.20	\$16.37
All excluding sales	18.80	15.20	17.50	16.61
WHITE COLLAR	20.52	19.20	19.06	18.82
White collar excluding sales	21.77	18.95	19.74	19.60
Professional specialty and technical	27.00	21.03	23.73	22.92
Professional specialty	25.78	21.48	25.30	24.22
Engineers, architects, and surveyors	38.83	28.78	26.05	29.71
Petroleum engineers	43.64	—	—	—
Civil engineers	—	—	23.35	27.37
Electrical and electronic engineers	—	31.93	—	—
Industrial engineers	—	—	—	21.77
Mechanical engineers	—	25.53	—	—
Engineers, n.e.c.	41.03	32.29	—	27.64
Mathematical and computer scientists	26.37	26.67	24.62	24.31
Computer systems analysts and scientists	—	27.16	24.73	24.71
Operations and systems researchers and analysts	—	—	—	22.39
Natural scientists	31.04	21.19	18.84	28.60
Chemists, except biochemists	—	—	25.65	—
Health related	21.95	21.29	25.55	20.65
Physicians	—	—	—	44.77
Registered nurses	21.82	19.60	24.53	18.21
Physical therapists	—	—	—	21.79
Teachers, college and university	—	25.99	32.07	25.43
Art, drama and music teachers	—	—	—	22.46
Teachers, post secondary, subject not specified ..	—	—	—	26.67
Teachers, post secondary, n.e.c.	—	—	—	22.56
Teachers, except college and university	22.78	19.43	29.89	25.52
Prekindergarten and kindergarten	—	14.31	—	16.70
Elementary school teachers	—	19.57	31.12	28.00
Secondary school teachers	—	20.51	32.13	27.89
Teachers, special education	—	22.59	—	22.11
Teachers, n.e.c.	—	—	25.58	15.11
Vocational and educational counselors	—	23.00	—	—
Librarians, archivists, and curators	—	—	—	—
Social scientists and urban planners	—	—	25.31	22.58
Economists	—	—	—	20.58
Social, recreation, and religious workers	14.58	15.53	17.00	15.33
Social workers	16.62	15.81	17.72	15.25
Recreation workers	—	—	13.02	—
Lawyers and judges	—	—	—	32.34
Lawyers	—	—	—	32.34
Writers, authors, entertainers, athletes, and professionals, n.e.c.	23.02	14.92	20.25	19.30
Designers	—	—	—	17.00
Public relations specialists	—	—	—	17.76
Professional, n.e.c.	—	—	—	28.44
Technical	30.84	19.87	18.21	17.45
Clinical laboratory technologists and technicians	—	13.63	18.04	15.91
Radiological technicians	—	—	—	16.71
Licensed practical nurses	—	13.89	14.58	10.75
Health technologists and technicians, n.e.c.	—	11.01	16.86	11.38
Electrical and electronic technicians	—	19.19	19.12	18.38
Engineering technicians, n.e.c.	—	20.96	—	—
Drafters	—	—	—	17.49
Science technicians, n.e.c.	20.14	—	—	—
Airplane pilots and navigators	112.56	—	—	—

See footnotes at end of table.

TABLE C-1. Mean hourly earnings¹ for selected occupations, all workers, all industries, selected areas,² 1998—Continued

Occupation ³	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
WHITE COLLAR—Continued				
Professional specialty and technical—Continued				
Technical—Continued				
Computer programmers	—	\$18.96	—	\$20.60
Technical and related, n.e.c.	—	20.83	\$13.67	16.07
Executive, administrative, and managerial	\$30.30	30.17	25.02	26.10
Executives, administrators, and managers	32.38	33.87	28.11	31.14
Administrators and officials, public administration	—	35.38	26.53	23.97
Financial managers	31.97	32.25	26.24	32.30
Personnel and labor relations managers	41.30	30.65	—	41.06
Managers, marketing, advertising and public relations	27.67	36.42	23.54	32.38
Administrators, education and related fields	—	24.97	—	28.39
Managers, medicine and health	—	—	25.35	24.83
Managers, service organizations, n.e.c.	22.76	—	21.14	18.19
Managers and administrators, n.e.c.	35.43	34.60	32.99	33.37
Management related	26.17	24.08	20.78	19.86
Accountants and auditors	24.35	—	25.55	18.10
Other financial officers	23.89	—	23.40	20.93
Management analysts	—	—	23.77	—
Personnel, training, and labor relations specialists	—	18.77	15.59	17.82
Purchasing agents and buyers, n.e.c.	—	22.07	—	20.75
Construction inspectors	—	—	—	18.31
Management related, n.e.c.	28.66	20.99	20.14	21.66
Sales	13.33	21.44	12.72	13.17
Supervisors, sales	18.33	18.68	17.58	19.17
Sales, other business services	15.41	16.58	—	23.45
Sales representatives, mining, manufacturing, and wholesale	—	27.83	17.70	23.38
Sales workers, motor vehicles and boats	—	—	18.48	27.05
Sales workers, other commodities	10.73	9.15	9.06	—
Sales counter clerks	7.75	—	—	8.23
Cashiers	9.31	7.13	11.23	7.97
Administrative support, including clerical	13.25	11.63	13.08	11.92
Supervisors, general office	—	—	16.46	17.02
Supervisors, financial records processing	19.80	—	—	15.09
Supervisors, distribution, scheduling, and adjusting clerks	—	17.18	24.38	—
Computer operators	—	14.44	15.21	12.96
Secretaries	13.64	12.40	13.89	13.10
Typists	—	—	—	11.37
Interviewers	—	9.76	—	—
Receptionists	9.07	9.63	10.04	8.59
Information clerks, n.e.c.	—	—	12.04	10.02
Order clerks	12.21	12.08	14.07	10.04
Library clerks	—	9.37	—	9.04
File clerks	—	—	10.96	—
Records clerks, n.e.c.	—	12.03	12.38	10.85
Bookkeepers, accounting and auditing clerks	12.15	12.00	12.59	10.70
Payroll and timekeeping clerks	—	12.25	—	14.62
Billing clerks	—	—	10.91	12.09
Telephone operators	—	12.49	—	13.17
Dispatchers	—	12.44	—	11.27

See footnotes at end of table.

TABLE C-1. Mean hourly earnings¹ for selected occupations, all workers, all industries, selected areas,² 1998—Continued

Occupation ³	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
WHITE COLLAR—Continued				
Administrative support, including clerical—Continued				
Production coordinators	—	—	—	\$15.44
Traffic, shipping and receiving clerks	\$11.42	\$10.75	\$11.86	11.89
Stock and inventory clerks	17.27	10.41	11.83	11.80
Material recording, scheduling, and distribution clerks, n.e.c.	—	14.12	8.92	10.20
Insurance adjusters, examiners, & investigators ..	—	—	—	15.41
Investigators and adjusters except insurance	—	11.77	13.30	12.01
Bill and account collectors	—	—	—	13.98
General office clerks	12.79	10.67	11.91	10.34
Bank tellers	9.10	—	8.18	9.06
Data entry keyers	10.03	9.57	12.37	8.11
Teachers' aides	—	8.38	9.34	9.27
Administrative support, n.e.c.	17.46	11.51	12.84	11.12
BLUE COLLAR	16.75	12.32	14.19	14.82
Precision production, craft, and repair	23.28	15.94	18.04	18.08
Supervisors, mechanics and repairers	—	30.63	23.86	21.37
Automobile mechanics	—	—	18.06	—
Bus, truck, and stationary engine mechanics	—	14.36	18.33	—
Industrial machinery repairers	—	13.73	19.83	15.25
Electronic repairers, communications and industrial equipment	—	—	—	16.09
Mechanics and repairers, n.e.c.	—	20.06	16.87	15.94
Carpenters	—	—	—	23.35
Electricians	24.81	13.89	—	20.98
Plumbers, pipefitters and steamfitters	—	—	—	21.60
Construction trades, n.e.c.	—	10.87	16.31	—
Supervisors, production	—	19.30	—	19.51
Machinists	—	17.29	—	20.31
Electrical and electronic equipment assemblers ..	—	9.09	—	—
Butchers and meat cutters	—	8.40	16.17	—
Inspectors, testers, and graders	—	14.40	—	—
Machine operators, assemblers, and inspectors	12.03	11.19	11.29	13.59
Punching and stamping press operators	—	—	—	11.84
Grinding, abrading, buffing, and polishing machine operators	—	—	—	13.57
Fabricating machine operators, n.e.c.	—	13.26	—	12.34
Printing press operators	—	12.68	—	15.70
Winding and twisting machine operators	—	9.03	—	—
Packaging and filling machine operators	—	—	12.98	—
Extruding and forming machine operators	—	—	12.66	—
Mixing and blending machine operators	—	10.56	—	—
Painting and paint spraying machine operators ...	—	—	—	13.80
Miscellaneous machine operators, n.e.c.	10.69	12.57	10.68	12.79
Welders and cutters	—	—	—	12.27
Assemblers	—	10.72	10.38	14.93
Production inspectors, checkers and examiners ..	—	11.55	—	12.78
Transportation and material moving	15.05	13.68	14.13	14.91
Truck drivers	14.88	14.33	15.92	15.29
Driver-sales workers	—	—	10.90	—
Bus drivers	—	12.33	12.42	11.94
Motor transportation, n.e.c.	—	—	—	5.94

See footnotes at end of table.

TABLE C-1. Mean hourly earnings¹ for selected occupations, all workers, all industries, selected areas,² 1998–Continued

Occupation ³	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
BLUE COLLAR—Continued				
Transportation and material moving—Continued				
Excavating and loading machine operators	—	\$10.97	—	—
Industrial truck and tractor equipment operators ..	—	12.78	\$11.76	\$13.65
Miscellaneous material moving equipment operators, n.e.c.	—	15.89	—	—
Handlers, equipment cleaners, helpers, and laborers	\$12.09	9.38	10.88	11.73
Groundskeepers and gardeners except farm	—	—	—	12.61
Supervisors, handlers, equipment cleaners, and laborers, n.e.c.	—	16.23	—	14.10
Helpers, construction trades	—	8.45	—	—
Construction laborers	—	8.32	—	17.61
Production helpers	—	10.89	—	10.79
Stock handlers and baggers	9.37	9.40	9.76	8.44
Machine feeders and offbearers	—	7.99	—	—
Freight, stock, and material handlers, n.e.c.	11.61	10.32	11.11	14.96
Vehicle washers and equipment cleaners	—	—	9.89	—
Hand packers and packagers	—	8.72	—	9.67
Laborers except construction, n.e.c.	12.95	8.48	10.89	11.39
SERVICE	11.32	9.44	13.37	9.26
Protective service	21.48	13.34	19.83	14.86
Supervisors, police and detectives	—	20.77	—	21.57
Firefighting	—	—	15.85	—
Police and detectives, public service	—	14.65	24.00	16.30
Correctional institution officers	—	11.19	—	—
Guards and police except public service	12.62	—	9.95	11.71
Food service	8.24	6.63	7.34	7.06
Supervisors, food preparation and service	12.98	—	11.02	12.03
Bartenders	—	—	6.33	—
Waiters and waitresses	5.80	4.26	5.77	3.39
Cooks	10.13	7.50	8.77	9.10
Food counter, fountain, and related	8.52	—	—	5.97
Kitchen workers, food preparation	—	7.94	8.02	7.34
Waiters/Waitresses' assistants	6.53	—	—	4.98
Food preparation, n.e.c.	7.37	6.50	6.86	6.50
Health service	10.81	8.24	9.90	8.25
Health aides, except nursing	—	8.03	11.61	9.00
Nursing aides, orderlies and attendants	10.34	8.31	9.13	8.03
Cleaning and building service	9.57	7.92	9.65	8.26
Maids and housemen	9.31	6.65	7.57	6.71
Janitors and cleaners	9.31	7.94	9.68	8.28
Personal service	10.40	11.29	8.68	10.10
Attendants, amusement and recreation facilities ..	—	—	6.91	—
Early childhood teachers' assistants	—	—	9.51	7.68
Child care workers, n.e.c.	—	—	8.59	7.53
Service, n.e.c.	—	—	8.63	8.50

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, hazard pay, deferred income payments, and deadhead pay. Excluded are shift differentials, premium pay for overtime, vacations, and holidays, non-production bonuses, uniform and tool allowances, room and board, third party payments, on-call pay, and tips. The mean is computed by totaling the pay of all workers weighted by hours and dividing by the number of workers.

² The average payroll month for Anchorage, AK, was May 1998; Charlotte-Gastonia-Rock Hill, NC-SC, was June 1998; Sacramento-Yolo,

CA, was May 1998; and St. Louis, MO-IL, was June 1998.

³ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups may include data for categories not shown separately. n.e.c. means "not elsewhere classified."

TABLE C-2. Mean hourly earnings¹ by occupational group and level,² all workers, selected areas,³ 1998

Occupational group ⁴ and level	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
ALL	\$18.26	\$15.53	\$17.20	\$16.37
All excluding sales	18.80	15.20	17.50	16.61
WHITE COLLAR	20.52	19.20	19.06	18.82
Level 1	—	7.28	7.32	7.39
Level 2	8.36	8.56	11.69	8.21
Level 3	10.49	9.59	10.96	9.36
Level 4	12.46	11.60	12.13	10.21
Level 5	14.94	12.72	13.71	13.32
Level 6	16.20	14.32	21.44	14.19
Level 7	19.14	24.33	19.09	16.62
Level 8	20.48	19.27	21.27	21.89
Level 9	24.76	21.90	24.02	22.41
Level 10	31.93	29.51	25.97	27.12
Level 11	37.68	34.56	29.56	28.08
Level 12	45.85	39.62	33.94	35.87
Level 13	74.95	42.43	41.52	45.12
Level 14	—	56.95	43.65	49.18
Not able to be leveled	23.60	18.40	20.48	20.14
White-collar excluding sales	21.77	18.95	19.74	19.60
Level 1	—	7.99	6.89	8.13
Level 2	8.71	9.13	9.94	8.57
Level 3	11.19	9.78	11.17	9.63
Level 4	12.75	11.67	12.07	10.52
Level 5	15.00	12.51	13.66	13.21
Level 6	16.46	14.40	21.41	14.10
Level 7	19.51	17.26	19.07	16.54
Level 8	20.56	18.98	21.22	21.57
Level 9	24.62	21.87	24.02	22.40
Level 10	31.35	29.76	25.98	24.85
Level 11	37.95	34.04	29.61	28.26
Level 12	45.85	39.62	33.94	35.86
Level 13	74.95	42.43	41.52	45.12
Level 14	—	56.95	43.65	49.18
Not able to be leveled	25.39	20.38	20.60	20.49
Professional specialty and technical	27.00	21.03	23.73	22.92
Professional specialty	25.78	21.48	25.30	24.22
Level 5	14.78	12.09	14.12	12.72
Level 6	—	15.28	28.11	11.75
Level 7	18.86	17.81	22.11	18.22
Level 8	19.16	19.06	22.70	23.46
Level 9	24.02	20.79	24.52	22.76
Level 10	29.08	30.40	25.26	24.05
Level 11	35.18	33.05	31.58	28.25
Level 12	50.06	32.96	30.60	33.70
Level 13	—	36.11	—	43.56
Not able to be leveled	—	—	17.84	20.96
Engineers, architects, and surveyors	38.83	28.78	26.05	29.71
Level 9	31.44	26.30	—	23.04
Level 10	—	—	26.66	—
Level 11	39.27	29.50	—	—
Level 12	50.36	35.26	—	33.15
Mathematical and computer scientists	26.37	26.67	24.62	24.31
Level 9	—	24.75	23.69	23.82
Level 11	—	—	28.98	27.10
Level 12	—	31.50	—	29.52
Natural scientists	31.04	21.19	18.84	28.60

See footnotes at end of table.

TABLE C-2. Mean hourly earnings¹ by occupational group and level,² all workers, selected areas,³ 1998—Continued

Occupational group ⁴ and level	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
WHITE COLLAR—Continued				
Professional specialty and technical—Continued				
Professional specialty—Continued				
Health related	\$21.95	\$21.29	\$25.55	\$20.65
Level 7	—	—	24.53	16.65
Level 8	—	19.67	19.74	18.61
Level 9	21.36	18.03	24.75	19.82
Level 11	—	—	—	34.46
Teachers, college and university	—	25.99	32.07	25.43
Level 7	—	—	—	19.48
Level 8	—	20.75	—	21.96
Level 9	—	—	—	29.79
Level 10	—	—	—	27.42
Level 11	—	—	—	29.42
Level 13	—	30.99	—	—
Teachers, except college and university	22.78	19.43	29.89	25.52
Level 5	—	—	10.68	—
Level 6	—	14.32	30.68	10.19
Level 7	—	18.82	33.81	21.77
Level 8	—	20.77	—	27.47
Level 9	—	20.70	—	28.85
Librarians, archivists, and curators	—	—	—	—
Social scientists and urban planners	—	—	25.31	22.58
Social, religious, and recreation workers	14.58	15.53	17.00	15.33
Level 5	—	12.69	—	—
Level 7	—	—	14.35	—
Level 8	—	16.83	—	14.38
Level 9	—	—	20.26	—
Lawyers and judges	—	—	—	32.34
Writers, authors, entertainers, athletes, and professionals, n.e.c.	23.02	14.92	20.25	19.30
Level 6	—	11.44	—	—
Level 9	—	—	—	21.18
Not able to be leveled	—	—	—	19.04
Technical	30.84	19.87	18.21	17.45
Level 4	—	11.35	—	9.11
Level 5	17.57	12.58	14.92	13.71
Level 6	18.00	14.24	16.27	16.66
Level 7	—	16.07	19.89	15.68
Level 8	23.70	17.86	20.55	17.77
Level 9	28.12	25.50	22.64	22.81
Executive, administrative, and managerial				
Level 5	—	13.64	13.45	14.03
Level 6	—	—	13.59	15.40
Level 7	17.72	17.82	18.09	16.50
Level 8	20.96	20.13	19.82	17.76
Level 9	24.72	22.47	23.65	21.87
Level 10	30.69	28.22	25.97	27.26
Level 11	35.13	29.49	28.72	28.53
Level 12	40.08	40.84	37.25	34.48
Level 13	58.53	46.59	—	46.91
Level 14	—	57.05	—	48.66
Not able to be leveled	—	—	34.31	28.06
Executives, administrators, and managers	32.38	33.87	28.11	31.14
Level 7	—	—	—	16.17
Level 8	—	19.17	19.41	17.20

See footnotes at end of table.

TABLE C-2. Mean hourly earnings¹ by occupational group and level,² all workers, selected areas,³ 1998—Continued

Occupational group ⁴ and level	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
WHITE COLLAR—Continued				
Executive, administrative, and managerial—Continued				
Executives, administrators, and managers—Continued				
Level 9	\$23.19	\$22.29	\$23.74	\$22.78
Level 10	—	—	25.95	27.06
Level 11	34.15	29.49	28.73	29.07
Level 12	39.73	42.32	37.95	36.62
Level 13	58.53	46.62	—	46.99
Level 14	—	57.05	—	49.88
Not able to be leveled	—	—	—	28.20
Management related	26.17	24.08	20.78	19.86
Level 5	—	13.83	13.24	13.13
Level 6	—	—	13.33	15.81
Level 7	—	17.68	18.39	16.60
Level 8	21.25	21.46	20.41	18.00
Level 9	26.85	22.61	23.63	20.68
Level 11	39.83	—	—	—
Level 12	—	—	—	28.99
Sales	13.33	21.44	12.72	13.17
Level 1	—	—	7.79	7.12
Level 2	—	6.73	13.79	6.64
Level 3	8.81	8.35	10.10	8.78
Level 4	11.46	10.27	12.53	8.63
Level 5	—	14.99	14.21	14.07
Level 8	20.35	22.73	—	25.52
Level 10	—	—	—	36.24
Administrative support, including clerical	13.25	11.63	13.08	11.92
Level 1	—	7.99	6.89	8.13
Level 2	8.71	9.13	9.95	8.70
Level 3	11.23	9.99	11.23	9.64
Level 4	12.94	11.71	12.16	10.69
Level 5	14.30	12.42	13.52	13.01
Level 6	16.11	14.03	15.34	13.27
Level 7	19.09	16.19	17.53	15.09
Level 8	—	—	—	16.66
Level 9	—	21.42	—	22.39
Not able to be leveled	—	—	14.81	—
BLUE COLLAR	16.75	12.32	14.19	14.82
Level 1	8.13	7.60	7.77	7.53
Level 2	11.10	8.90	9.28	9.36
Level 3	10.90	10.55	11.53	14.67
Level 4	14.49	12.41	14.15	12.60
Level 5	15.54	14.03	15.93	13.11
Level 6	16.68	15.84	17.28	17.83
Level 7	23.45	17.27	19.39	18.80
Level 8	30.18	20.90	21.14	21.77
Level 9	—	26.26	23.62	20.74
Precision production, craft, and repair	23.28	15.94	18.04	18.08
Level 1	—	7.37	—	—
Level 3	—	10.01	11.60	9.62
Level 4	—	10.66	13.07	11.42

See footnotes at end of table.

TABLE C-2. Mean hourly earnings¹ by occupational group and level,² all workers, selected areas,³ 1998—Continued

Occupational group ⁴ and level	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
BLUE COLLAR—Continued				
Precision production, craft, and repair—Continued				
Level 5	—	\$12.45	\$16.51	\$12.53
Level 6	—	14.09	18.02	18.73
Level 7	\$23.59	17.38	19.80	18.93
Level 8	30.18	20.29	20.98	22.23
Level 9	—	26.26	23.62	20.54
Machine operators, assemblers, and inspectors	12.03	11.19	11.29	13.59
Level 1	—	8.30	—	8.37
Level 2	—	8.80	8.81	8.68
Level 3	—	10.20	10.37	15.38
Level 4	—	13.19	12.24	13.15
Level 5	—	15.16	13.55	12.28
Level 6	—	15.12	—	13.31
Level 7	—	17.74	16.35	18.56
Transportation and material moving	15.05	13.68	14.13	14.91
Level 1	—	—	8.88	—
Level 2	—	9.29	9.15	8.93
Level 3	9.60	10.72	11.87	15.97
Level 4	15.26	13.60	16.09	12.92
Level 5	16.07	14.36	17.33	14.86
Level 6	14.15	19.16	—	—
Level 7	—	—	—	19.05
Handlers, equipment cleaners, helpers, and laborers	12.09	9.38	10.88	11.73
Level 1	8.47	7.29	7.48	7.32
Level 2	11.32	8.95	9.60	10.29
Level 3	12.17	11.34	12.93	13.32
Level 4	14.41	10.83	13.68	11.43
Level 5	—	16.24	13.72	13.56
Level 6	—	—	—	17.71
SERVICE	11.32	9.44	13.37	9.26
Level 1	7.07	6.62	6.94	6.66
Level 2	7.79	7.35	8.54	6.87
Level 3	9.02	7.23	8.58	8.28
Level 4	9.44	9.25	10.53	8.33
Level 5	13.67	14.71	12.54	12.34
Level 6	14.93	—	15.75	13.53
Level 7	17.55	13.69	18.56	14.77
Level 8	—	14.94	—	17.33
Level 9	—	17.84	25.58	17.90
Level 10	—	22.25	—	—
Protective service	21.48	13.34	19.83	14.86
Level 3	—	—	—	7.99
Level 4	—	9.80	—	—
Level 5	—	12.08	12.85	11.70
Level 7	—	13.46	18.84	15.08
Level 8	—	14.56	—	15.50
Level 9	—	17.84	25.59	17.82
Level 10	—	22.25	—	—
Food service	8.24	6.63	7.34	7.06
Level 1	6.45	5.51	5.99	6.26
Level 2	7.16	6.97	8.06	5.33

See footnotes at end of table.

TABLE C-2. Mean hourly earnings¹ by occupational group and level,² all workers, selected areas,³ 1998—Continued

Occupational group ⁴ and level	Anchorage, AK	Charlotte- Gastonia- Rock Hill, NC-SC	Sacramento- Yolo, CA	St. Louis, MO-IL
SERVICE—Continued				
Food service—Continued				
Level 3	\$7.78	\$6.05	\$6.89	\$7.10
Level 4	8.26	—	8.08	7.31
Level 5	12.08	—	—	9.09
Level 6	—	—	—	13.40
Health service	10.81	8.24	9.90	8.25
Level 2	—	7.73	7.99	7.31
Level 3	—	8.22	8.89	8.19
Level 4	—	8.82	11.59	9.83
Cleaning and building service	9.57	7.92	9.65	8.26
Level 1	8.02	7.20	7.53	6.90
Level 2	9.16	7.89	9.39	8.25
Level 3	—	9.35	11.06	11.39
Personal service	10.40	11.29	8.68	10.10
Level 1	—	—	7.57	7.21
Level 2	—	—	7.48	7.67
Level 3	—	7.01	9.58	7.22
Level 4	9.89	—	9.72	7.78

¹ Earnings are the straight-time hourly wages or salaries paid to employees. They include incentive pay, cost-of-living adjustments, hazard pay, deferred income payments, and deadhead pay. Excluded are shift differentials, premium pay for overtime, vacations, and holidays, non-production bonuses, uniform and tool allowances, room and board, third party payments, on-call pay, and tips. The mean is computed by totaling the pay of all workers weighted by hours and dividing by the number of workers.

² Each occupation for which wage data are collected in an establishment is evaluated based on 10 factors, including knowledge, complexity, work environment, etc. Points are assigned based on the occupation's ranking within each factor. The points are summed to determine the overall level of the occupation.

³ The average payroll month for Anchorage, AK, was May 1998; Charlotte-Gastonia-Rock Hill, NC-SC, was June 1998; Sacramento-Yolo, CA, was May 1998; and St. Louis, MO-IL, was June 1998.

⁴ A classification system including about 480 individual occupations is used to cover all workers in the civilian economy. Individual occupations are classified into one of nine major occupational groups.

NOTE: Dashes indicate that no data were reported or that data did not meet publication criteria. Overall occupational groups may include data for categories not shown separately. n.e.c. means "not elsewhere classified."